

PUB-NO: DE004034412A1

DOCUMENT-IDENTIFIER: DE 4034412 A1

TITLE: Degassing arrangement for acoustic
propagation media - comprises evacuable vessel in which
helically coiled, silicone hose is located, and hose is
connected to fluid circulation lines

PUBN-DATE: April 30, 1992

INVENTOR-INFORMATION:

NAME

ROHWEDDER, ARNIM DIPL ING

COUNTRY

DE

ASSIGNEE-INFORMATION:

NAME

SIEMENS AG

COUNTRY

DE

APPL-NO: DE04034412

APPL-DATE: October 29, 1990

PRIORITY-DATA: DE04034412A (October 29, 1990)

INT-CL (IPC): A61B008/00, A61B017/22 , A61H023/00 ,
B01D019/00

EUR-CL (EPC): G10K009/12 ; G10K011/02, A61B017/22

US-CL-CURRENT: 600/481

ABSTRACT:

Liq. acoustic propagation media in medical ultrasonic units are degassed by an arrangement of a vessel (14), which can be evacuated by a vacuum pump (13), in which a hose (15) is located in several helical coils. The hose is connected at its ends to lines (8, 9) in which the medium e.g. water is circulated. By evacuating the vessel, gases diffuse through the silicone hose from the medium. ADVANTAGE - Simple, cost-effective and operates continuously.

DERWENT-ACC-NO: 1992-151932

DERWENT-WEEK: 199219

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propagation media - comprises evacuable vessel in which
helically coiled, silicone hose is located, and hose is
connected to fluid circulation lines

INVENTOR: ROCHWEDDER, A

PATENT-ASSIGNEE: SIEMENS AG[SIEI]

PRIORITY-DATA: 1990DE-4034412 (October 29, 1990)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
LANGUAGE		MAIN-IPC	
DE 4034412 A		April 30, 1992	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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DE 4034412A	N/A	1990DE-
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INT-CL (IPC): A61B008/00, A61B017/22 , A61H023/00 ,
B01D019/00

ABSTRACTED-PUB-NO: DE 4034412A

BASIC-ABSTRACT:

Liq. acoustic propagation media in medical ultrasonic units
are degassed by an

arrangement of a vessel (14), which can be evacuated by a vacuum pump (13), in which a hose (15) is located in several helical coils. The hose is connected at its ends to lines (8, 9) in which the medium e.g. water is circulated. By evacuating the vessel, gases diffuse through the silicone hose from the medium.

ADVANTAGE - Simple, cost-effective and operates continuously.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: DEGAS ARRANGE ACOUSTIC PROPAGATE MEDIUM
COMPRISE EVACUATE VESSEL
HELICAL COIL SILICONE HOSE LOCATE HOSE CONNECT
FLUID CIRCULATE LINE

DERWENT-CLASS: J01 P31 P33 S03 S05

CPI-CODES: J01-D02;

EPI-CODES: S03-E08; S05-D03B;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1992-070289

Non-CPI Secondary Accession Numbers: N1992-113367